Consider the following factorial function:

```c
int fact ( int k)
{
    if ( k == 0) {
        return 1;
    }
    int m = k * fact ( k - 1) ;
    return m;
}

int main ( ) {
    return fact (2) ;
}
```
2. (30 points) For this function, draw the contents of the stack, showing the activation record instance. Draw the stack at its largest extent.
3. (30 points) Draw all stacks (showing the activation record instances) for all returns.